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4. (Currently amended) The device of claim 1 wherein said second piezoelectric sensing element provides feedback signals related to fluid temperature.

5. (Original) The device of claim 4 wherein said second piezoelectric sensing element has a thermal expansion coefficient different from that of said first piezoelectric actuator element.

6. (Original) The device of claim 1 wherein said movable member is a flexible member.

7. (Original) The device of claim 1 wherein said movable member is a flexible blade.

8. (Cancelled).

9. (Currently amended) The device of claim 8 including a power source controlled by said controller to provide a power output signal in response to ~~said feedback~~ at least one of the determined viscosity, density, and temperature of said fluid.

10. (Currently amended) The device of claim 8 wherein said controller has calibration data stored in memory ~~relating and~~ compares said feedback signals to said ~~fluid-parameter~~ calibration data to determine at least one of the viscosity, density, and temperature of said fluid.

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11. (Currently amended) A method of operating a piezoelectric device for moving a fluid, comprising moving a movable member using a first piezoelectric actuator element on said movable member, and providing feedback signals related to a fluid parameter from a second piezoelectric element on said movable member to a controller, including said controller determining from said feedback signals at least one of viscosity, density, and temperature of said fluid and controlling said first piezoelectric actuator element in response to at least one of the determined viscosity, density, and temperature of said fluid.

12. (Currently amended) The method of claim 11 wherein said second piezoelectric sensing element provides feedback signals related to fluid viscosity.

13. (Currently amended) The method of claim 11 wherein said second piezoelectric sensing element provides feedback signals related to fluid density.

14. (Currently amended) The device of claim 11 wherein said second piezoelectric sensing element provides feedback signals related to fluid temperature.

15. (Original) The method of claim 14 including providing said second piezoelectric sensing element with a thermal expansion coefficient different from that of said first piezoelectric actuator element.

16. (Cancelled) .

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17. (Currently amended) The method of claim 11 including storing calibration data relating said feedback signals to ~~said fluid parameter~~ at least one of viscosity, density, and temperature of said fluid in memory of ~~a~~ said controller and comparing said feedback signals to the calibration data to determine at least one of the viscosity, density, and temperature of said fluid.

18. (New) A device for moving a fluid, comprising a movable member having a first piezoelectric actuator element coupled thereto to drive said movable member to move said fluid and a second piezoelectric sensing element coupled thereto and having a thermal expansion coefficient different from that of said first piezoelectric actuator element to provide temperature dependent feedback signals to a controller that determines from said feedback signals a temperature of said fluid, said controller controlling said first piezoelectric actuator element in response to the determined temperature of said fluid.

19. (New) The device of claim 18 wherein the controller controls said first piezoelectric element to actuate said movable member to provide air flow when the fluid temperature increases above a threshold value.

20. (New) The device of claim 18 wherein the controller controls said first piezoelectric element to terminate air flow by said movable member when fluid temperature decreases below a threshold value.